

IN THE SPECIFICATION:

Please replace the Abstract with the following replacement paragraph:

~~A~~sSystem and method for estimating signal parameters (e.g., ~~one~~
~~or more of~~ frequency, amplitude and/or phase) of one or more tones
present in an input signal. ~~The method may comprise first receiving~~
s~~S~~amples of the input signal are received, ~~wherein the input signal~~
~~includes the tone, and~~ generating a frequency transform of the samples
generated. ~~The method may then identify a~~An amplitude peak in the
frequency transform corresponding to the tone is identified. Two or more
frequency bins ~~may then be~~are selected proximate to the identified
frequency ~~location~~ in the frequency transform. ~~The method may then~~
~~determine a~~A tone frequency value is determined that minimizes a
difference between two or more expressions, ~~The expressions each~~
~~include~~ing respective numerator and denominator terms that
corresponding to respective frequency bins and whose ratios each, ~~wherein~~
~~a ratio of each numerator term and its corresponding denominator term~~
represent a complex amplitude of the tone at a respective bin. Each ~~of the~~
~~plurality of~~ expressions includes a tone frequency variable that represents
a correct tone frequency value of the tone. The correct tone frequency
value ~~may be~~ is determined by computing ~~a plurality of~~ differences
between the expressions for different respective tone frequency variable
~~values of the tone frequency variable, and then~~ selecting the tone
~~frequency~~ value that produces a smallest difference.